



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 27, 2015

Jozef Racsko
Regulatory Manager
Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Add supplemental label to reflect fruit set improvement use on almonds. Reduce application from 1-2 pouches to reflect 1 pouch per acre between 10% and full bloom. Add additional note under use of adjuvants: Use of ReTain has often been shown to increase the occurrence of doubles (two nut kernel per shell) in almond.
Product Name: ReTain@PGR for California
EPA Registration Number: 73049-58
Application Date: 07/16/2015
OPP Decision Number: 507222

Dear Mr. Racsko:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval is for the label amendment and for supplemental labeling that is an addendum to the master labeling. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

This supplemental labeling contains some new and/or revised uses and/or directions that may be additional to the uses and/or directions found on the labeling on or attached to the container, but this supplemental labeling does not by itself constitute the complete set of use directions. The complete set of use directions is set forth on the container labeling as combined with this supplemental labeling.

A stamped copy of your labeling is enclosed for your records. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2
EPA Reg. No. 73049-58
OPP Decision No. 507222

If you have any questions, please contact Shenell Bolden of my team by phone at (703) 347-0120 or via email at bolden.shenell@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "For Andrew C. Bryceland". The signature is stylized and written in a cursive-like font.

Andrew C. Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

Master Label

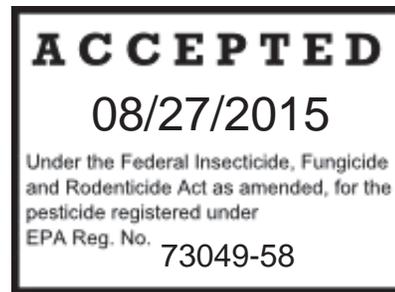
ReTain®

**PLANT GROWTH REGULATOR FOR CALIFORNIA
SOLUBLE POWDER
FOR USE ON APPLE, PEAR, STONE FRUIT,
WALNUT, PISTACHIO, PECAN, ALMOND
AND CUCUMBER**

Active Ingredient:

[S]- <i>trans</i> -2-Amino-4-(2-aminoethoxy)-3-butenoic acid hydrochloride	15% w/w
Other Ingredients	85% w/w
Total	100%

EPA Reg. No. 73049-58
EPA Est. No. 33967-NJ-1



Registrant: Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048
1-800-6-VALENT

Net Weight: 11.7 oz (333 grams)

A single application of one pouch will treat up to 1.0 acre of listed fruit crops, 0.5 acre of listed nut crops, and 0.17 acre of cucumbers grown for seed at the maximum use rate.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
If inhaled	--Move person to fresh air. --If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. --Call a poison control center or doctor for further treatment advice.
If on skin or clothing	--Take off contaminated clothing. --Rinse skin immediately with plenty of water for 15-20 minutes. --Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-6-Valent.	

PLEASE SEE ATTACHED APPLICATION GUIDE FOR COMPLETE PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to Supplemental Labeling under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard

APPLICATION GUIDE

ReTain®

**PLANT GROWTH REGULATOR FOR CALIFORNIA
SOLUBLE POWDER
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Net Weight: 11.7 oz. (333 grams)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

Hand-wand applicators must wear dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with N, R, P or HE filter when applying this product.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then, wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. This product is moderately toxic to avian species and exposure to birds must be avoided.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements in this labeling about Personal Protective Equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

GENERAL INFORMATION FOR USE

IMPORTANT: Before application, read all use directions thoroughly. Use ReTain® only as directed. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).

ReTain contains 15% (wt/wt) [S]-*trans*-2-amino-4-(2-aminoethoxy)-3-butenic acid hydrochloride, commonly known as aminoethoxyvinylglycine, aviglycine HCl, or AVG HCl. AVG HCl is a potent plant growth regulator produced by fermentation. AVG HCl inhibits the production of ethylene in plant tissues. Ethylene affects plant processes such as flower development, fruit set, fruit maturation, fruit ripening, and fruit abscission.

GENERAL APPLICATION INSTRUCTIONS

IMPORTANT

- Do not apply this product through any type of irrigation system.
- ReTain is packaged in a water-soluble bag sealed inside a metalized polyester pouch. Each water-soluble bag contains 11.7 oz (333 grams) of ReTain. Once the outer pouch is opened, the entire water-soluble bag must be used.
- Because the proper timing of ReTain application is particularly important to product performance, serious consideration is to be given, on a block-by-block basis, to any site conditions (e.g., elevation, sun exposure, soil texture), growing condition(s) (e.g., prevailing or anticipated weather patterns such as high temperature, chilling, drought or flood conditions, nutrient levels) or production practices (e.g., crop load, pruning severity) that could impact flowering, fruit set, or fruit maturation during the course of the season.
- Apply ReTain in a sufficient amount of water to ensure that flowers, fruits, and foliage receive thorough spray coverage using calibrated spray equipment. Adjust water volumes based on plant size and spacing. However, excessive spray application volumes resulting in spray runoff will reduce product efficacy.
- Prepare spray solution by mixing the required amount of product with water in a clean, empty spray tank. Dispose of any unused spray material at the end of each day.
- Avoid applications during the heat of the day. For best results, apply ReTain under slow drying conditions, e.g. early in the morning or at night, in order to maximize absorption.
- Maintain solution pH between 6 and 8.
- Do not apply ReTain to plants or fruit under stress (e.g. heat, water, disease, insect). Injured or stressed plants or fruits may not respond to ReTain.
- Do not use overhead cooling or irrigation equipment for at least 8 hours following ReTain application.
- Do not apply ReTain if rain is expected within 8 hours of application.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

ReTain can be tank-mixed with DiPel[®], Biobit[®], and Xentari[®] biological insecticides. Compatibility and performance data for ReTain with other agricultural products are not available.

Do not tank mix ReTain with other products unless compatibility has been verified. If considering tank mixing ReTain with other products use the following **compatibility jar test** before mixing a whole tank:

Add water from the same water source to a clear glass or plastic jar. Add the pesticides in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Separation, gelling, or generation of heat are all signs of incompatibility.

Even if a mix passes the jar test for compatibility, it is imperative to test it on a designated area to evaluate for phytotoxicity or ineffectiveness.

Always read and follow all label directions and precautions of each product. When using combinations of products the most restrictive of label limitations and precautions must be followed. Do not mix with any pesticide that has a prohibition against tank mixing. For further information consult your Valent Agricultural Specialist (1-800-6 Valent).

APPLE AND PEAR – FOR HARVEST MANAGEMENT AND IMPROVEMENT OF FRUIT QUALITY

CROP	OBJECTIVE / BENEFIT:	APPLICATION TIMING/ USE INSTRUCTIONS
<p>Apple</p>	<p>Depending on cultivar, orchard conditions, application timing, and grower objectives, one or more of the following benefits will be associated with ReTain</p> <ul style="list-style-type: none"> • Delayed fruit maturity • Improved harvest management • Reduced preharvest fruit drop • Additional time for increase in fruit size • Additional time for color development • Maintenance of fruit firmness • Improved fruit quality (e.g., reduced incidence and/or severity of watercore and stem bowl cracking) • Enhanced storage potential 	<p>Single Pick Harvest: Apply one pouch of ReTain per acre three to four weeks prior to the anticipated <i>beginning of the normal harvest period of untreated fruit</i> for the current season. ReTain applied three to four weeks before harvest will delay the harvest period up to 7 to 10 days. Applications made either too early or too late will significantly reduce the efficacy of the product.</p> <p>Multiple Pick Harvest: To improve the fruit quality and storage potential of later picked apples (2nd, 3rd, 4th picks) apply one pouch of ReTain per acre, one to two weeks prior to the anticipated <i>beginning of the normal harvest period of untreated fruit</i> for the current season. ReTain applied one to two weeks before harvest typically will not delay the start of the harvest (1st pick), but will help control the maturation rate of the later picks.</p>
<p>Pear</p>	<p>ReTain will offer one or more of the same benefits as listed for apples, depending on the cultivar, growing conditions, and grower objectives.</p>	<p>Apply one pouch of ReTain per acre 7 to 16 days prior to the anticipated <i>beginning of the normal harvest period of untreated fruit</i> for the current season.</p>
<p>Note: Harvest management and fruit quality benefits from ReTain will be greatest when applied at one pouch per acre. Under difficult coloring conditions, color development of certain bi-color apple cultivars such as Gala and Honeycrisp™ will be delayed when ReTain is applied at one pouch per acre. For specific information on the best use practices for your location, consult with your Valent Agricultural Specialist (1-800-6-Valent).</p>		
<p>Water Volume: ReTain efficacy requires that fruit and foliage receive thorough spray coverage. To ensure thorough coverage adjust water volumes based on tree size and spacing and use calibrated spray equipment (i.e. orchard air blast sprayer). Excessive spray application volumes that result in spray runoff will reduce product performance. In most cases, 100 gallons per acre has been shown to be effective.</p>		
<p>Adjuvants: For optimal response, use ReTain with a 100% organosilicone surfactant. Use a final surfactant concentration of 0.05 to 0.1% (v/v) in the spray tank. To prevent possible spotting, use the 0.05% (v/v) concentration when high temperature (in excess of 86° F) weather conditions prevail or are anticipated. Do not use a surfactant concentration greater than 0.1% (v/v). To reduce foaming, add the adjuvant last and minimize agitation.</p>		

<p>Harvest: The normal harvest period for a particular orchard block refers to that time when fruits not treated with ReTain would be harvested for long term storage. To help determine the <i>beginning of the normal harvest period</i>, refer to historical trends for harvest dates and the "days from full bloom to harvest" interval for each cultivar in your area.</p>
<p>Additional Notes:</p> <ul style="list-style-type: none"> • Apply ReTain before laying reflective film or foil mulch under ReTain treated apple trees. ReTain may be applied either before or after laying fabric groundcovers under ReTain treated apple trees. • ReTain has a 7 day preharvest interval (PHI) for Apple and Pear. • Do not tank-mix ReTain with sunburn protection product. If sunburn protection products are used, apply at least 3 days before or after ReTain application.

• STONE FRUIT (EXCEPT CHERRY) – FOR HARVEST MANAGEMENT AND IMPROVEMENT OF FRUIT QUALITY

CROP	OBJECTIVE / BENEFIT	APPLICATION TIMING/ USE INSTRUCTIONS
<p>Apricot Nectarine Peach Plum Prune (Interspecific variations of these crops, such as Plum-cot, Pluot®, and Aprium®)</p>	<p>Depending on cultivar, orchard conditions, and grower objectives, one or more of the following benefits will be associated with ReTain:</p> <ul style="list-style-type: none"> • Improved harvest management • Additional time for increase in fruit size • Maintenance of fruit firmness • Reduced preharvest fruit drop • Improved fruit quality • Enhanced storage potential. 	<p>Apply one pouch of ReTain per acre one to two weeks prior to the anticipated <i>beginning of the normal harvest period of untreated fruit</i> for the current season.</p>
<p>Water Volume: ReTain efficacy requires that fruit and foliage receive thorough spray coverage. To ensure thorough coverage adjust water volumes based on tree size and spacing and use calibrated spray equipment (i.e. orchard air blast sprayer). Excessive spray application volumes that result in spray runoff will reduce product performance. In most cases, 100 gallons per acre has been shown to be effective.</p>		
<p>Use of Adjuvants: For optimal response, use ReTain with a 100% organosilicone surfactant. Use a final surfactant concentration of 0.05 to 0.1% (v/v) in the spray tank. To reduce foaming, add the adjuvant last and minimize agitation.</p>		
<p>Harvest: The normal harvest period for a particular orchard block refers to that time when fruits not treated with ReTain would be harvested. To help determine the beginning of the normal harvest period, refer to historical trends for harvest dates and the "days from full bloom to harvest" interval for each cultivar in your area, and closely monitor the fruit maturity development for the current season.</p>		
<p>Additional Notes: Pre Harvest Interval (PHI): ReTain has a 7 day (PHI) for labeled Stone Fruit.</p>		

NUT, POME AND STONE FRUIT CROPS – FOR INCREASING FRUIT AND NUT SET

CROP	OBJECTIVE / BENEFIT	APPLICATION TIMING/ USE INSTRUCTIONS
Almond	To increase nut set*	<p>Apply one pouch of ReTain per acre between 10% bloom and full bloom.</p> <p>Applications made either too early (pre-bloom) or too late (after full bloom) will reduce the efficacy of the treatment.</p> <p>Do not apply ReTain after petal fall.</p>
Apple	To increase fruit set.	<p>Apply one pouch of ReTain per acre, as a single application, to apple trees from pink stage to full bloom. Applications made prior to pink stage or after full bloom will significantly reduce efficacy of the treatment. Do not apply after petal fall.</p>
Apricot (Interspecific Variations of These crops, Such as Plum-cot, Pluot®, and Aprium®)	To increase fruit set.	<p>Apply one pouch of ReTain per acre, as a single application, to apricot trees during bloom. Applications between popcorn stage to first bloom are more effective than earlier or later applications. Do not apply after petal fall.</p>
Cherry	To increase fruit set.	<p>Apply one pouch of ReTain per acre, as a single application, to cherry trees during bloom. Applications between balloon popcorn stage to first bloom are more effective than earlier or later applications. Do not apply after petal fall.</p>
European Pear cultivars	To increase fruit set.	<p>Apply one pouch of ReTain per acre, as a single application, to pear trees from white bud stage to full bloom. Applications made prior to white bud stage or after full bloom will significantly reduce efficacy of the treatment. Do not apply after petal fall.</p>
Nectarine	To increase fruit set.	<p>Apply one pouch of ReTain per acre, as a single application, to nectarine trees during bloom. Applications between popcorn stage to first bloom are more effective than earlier or later applications. Do not apply after petal fall.</p>
Peach	To increase fruit set.	<p>Apply one pouch of ReTain per acre, as a single application, to peach trees during bloom. Applications between popcorn stage to first bloom are more effective than earlier or later applications. Do not apply after petal fall.</p>

Pecan	To increase nut set in cultivars that experience low set.	<p>Apply one to two pouches of ReTain per acre within 2 weeks after the surface of most of the stigma (apical end of the pistil) are no longer moist enough to retain pollen or dust.</p> <p>Use higher rates on cultivars/orchards that have experienced lower nut set. Applications made either too early (pre-bloom) or too late (after full bloom) will reduce the efficacy of the treatment.</p>
Pistachio	To increase nut set in cultivars that experience low set.	Apply one to two pouches of ReTain per acre during bloom time. Applications made either too early (pre-bloom) or too late (after full bloom) will reduce the efficacy of the treatment.
Plum (Interspecific Variations of These crops, Such as Plum-cot, Pluot®, and Aprium®)	To increase fruit set.	Apply one pouch of ReTain per acre, as a single application, to plum trees during bloom. Applications between popcorn stage to first bloom are more effective than earlier or later applications. Do not apply after petal fall.
Prune	To increase fruit set.	Apply one pouch of ReTain per acre, as a single application, to prune trees during bloom. Applications between popcorn stage to first bloom are more effective than earlier or later applications. Do not apply after petal fall.
Walnut	Increased nut set in cultivars affected by pistillate flower abortion (PFA).	<p>Apply one to two pouches of ReTain per acre, when most pistillate (female) flowers are receptive to pollination. ReTain may be applied as a single application of up to two pouches, or as sequential applications of one pouch per application. One application of ReTain at 5-30% pistillate flower bloom has been shown to be effective for a short pistillate flower bloom period. Sequential applications at 5-30% and 45-65% bloom are effective and cover a broader window of pistillate flower bloom. Applications made either too early (pre-bloom) or too late (full bloom or later) will significantly reduce efficacy of the treatment.</p> <p>Use higher rates on cultivars/orchards that have experienced high incidences of poor nut set due to PFA.</p>
<p>IMPORTANT:</p> <ul style="list-style-type: none"> • For apple and pear, do not apply more than one pouch for increasing fruit set. Do not use more than one pouch for harvest management and improvement of fruit quality. Do not apply more than 2 pouches of ReTain per acre per year. • For sweet cherry, do not apply more than one pouch for increasing fruit set. Do not apply ReTain to sweet cherry trees when fruit are present. • For pecan and walnut, do not apply more than 2 pouches of ReTain per acre per year. 		

<p>Water Volume: ReTain efficacy requires that open flowers receive thorough spray coverage. To ensure thorough coverage use calibrated spray equipment (i.e. air blast sprayer) and adjust water volumes based on tree size and spacing. Use sufficient water volume to achieve thorough coverage without excessive runoff. In most cases, a spray volume of 100 to 200 gallons per acre has been shown to be effective.</p>
<p>Use of Adjuvants: Use of adjuvants with ReTain for bloom applications has not been fully researched. Some adjuvants will cause a bloom thinning effect and will reduce the benefits of ReTain.</p>
<p>*Additional Note: Use of ReTain has often been shown to increase the occurrence of doubles (two nut kernels per shell) in almond.</p>

CUCUMBER - FOR SEED PRODUCTION ONLY

CROP	OBJECTIVE / BENEFIT	APPLICATION TIMING/ USE INSTRUCTIONS																	
<p>Cucumber Gynoecious inbred breeding lines.</p>	<p>Promotion of staminate (male) flowers in gynoecious (female flowering) cucumber-breeding lines for the purpose of producing inbred and hybrid cucumber seed.</p>	<p>Apply ReTain directly to gynoecious plants to be converted to staminate flowers. Make one to six applications of 250 ppm to 1000 ppm AVG HCL beginning at early first leaf stage through tenth leaf stage. Use the appropriate skip row technique to achieve desired sex ratio of plants.</p>																	
<p>Water Volume: Apply ReTain in a sufficient amount of water to ensure good thorough coverage. In most cases, 26 to 52 gallons per treated acre will be sufficient. The application rate and frequency of application will depend on the sensitivity of the individual inbred line to ReTain. Leaf yellowing can occur at high rates. If unacceptable leaf yellowing is noted, use lower concentrations in subsequent applications.</p>																			
<p>Dilution Table: Parts Per Million (ppm) AVG HCl with varying Gallons (gal) of spray solution and pouches of ReTain for cucumber use.</p> <table border="1"> <thead> <tr> <th>Gal Spray Solution</th> <th>Pouches of ReTain</th> <th>Grams AVG HCl</th> <th>Ppm AVG HCl</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>1</td> <td>50</td> <td>1000</td> </tr> <tr> <td>26</td> <td>1</td> <td>50</td> <td>500</td> </tr> <tr> <td>52</td> <td>1</td> <td>50</td> <td>250</td> </tr> </tbody> </table>				Gal Spray Solution	Pouches of ReTain	Grams AVG HCl	Ppm AVG HCl	13	1	50	1000	26	1	50	500	52	1	50	250
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<p>Use of Adjuvants: Addition of an adjuvant to ReTain increases the likelihood of leaf yellowing in young cucumber plants.</p>																			
<p>Additional Note: Do not reapply ReTain within 24-hours of application. Use of ReTain on cucumber is for gynoecious breeding line and hybrid seed production only. Do not apply directly to, or allow spray to drift to cucumber crops grown for fresh or processed markets. Fruit from plants treated with ReTain is not to be used for human or animal consumption.</p>																			

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store product in a cool and dry place. Avoid extended storage conditions at temperatures above 25°C (77°F).

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty container into applicable equipment. If recycling is not available dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE TO USER

Warranty and Disclaimer Statement:

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

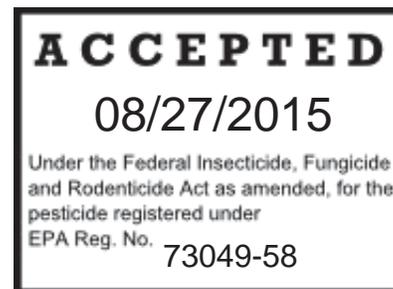
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Aprium[®] and Pluot[®] are registered trademarks of Zaiger Genetics.

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Supplemental Label



EPA Reg. No. 73049-58
(For Use In: CA Only)

**RETAIN® PLANT GROWTH REGULATOR FOR CALIFORNIA
SOLUBLE POWDER
FOR USE ON ALMONDS - FOR INCREASING NUT SET**

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR *RETAIN* PLANT GROWTH REGULATOR FOR CALIFORNIA SOLUBLE POWDER BEFORE APPLYING. USE OF *RETAIN* PLANT GROWTH REGULATOR FOR CALIFORNIA ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR *RETAIN* PLANT GROWTH REGULATOR FOR CALIFORNIA SOLUBLE POWDER.

DATE OF EXPIRATION OF PRESENT SUPPLEMENTAL LABEL: JULY 16, 2018

ALMOND – FOR INCREASING NUT SET

CROP	OBJECTIVE/BENEFIT	APPLICATION TIMING/USE DIRECTIONS
Almond	To increase nut set*	Apply one pouch of ReTain per acre between 10% bloom and full bloom. Applications made either too early (pre-bloom) or too late (after full bloom) will reduce the efficacy of the treatment. Do not apply ReTain after petal fall.
Water Volume: ReTain efficacy requires that open flowers receive thorough spray coverage. To ensure thorough coverage use calibrated spray equipment (i.e. air blast sprayer) and adjust water volumes based on tree size and spacing. Use sufficient water volume to achieve thorough coverage without excessive runoff. In most cases, a spray volume of 100 to 200 gallons per acre has been shown to be effective.		
Use of Adjuvants: Use of adjuvants with ReTain for bloom applications has not been fully researched. Some adjuvants will cause a bloom thinning effect and will reduce the benefits of ReTain.		
*Additional Note: Use of ReTain has often been shown to increase the occurrence of doubles (two nut kernels per shell) in almond.		

PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

Copyright © 2015 by Valent U.S.A. Corporation

ReTain is a registered trademark of Valent BioSciences Corporation.

Registered by:
VALENT BIOSCIENCES
CORPORATION
870 Technology Way
Libertyville, IL 60048 U.S.A.

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Valent U.S.A. Corporation
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Walnut Creek, CA 94596-8025
www.valent.com

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07/16/2015